

Abstract of the Disclosure:

A pyrolysis plant for refuse and a method for screening solid residues provide a sure and trouble-free sieving of a solid material using a sieving device having a configuration which is as simple as possible. A spiral formed by a rod which is wound in a helicoidal manner, or a plurality of such rods, are provided as the sieving device. The rod or rods can rotate around a longitudinal axis. The solid material is introduced into an interior formed by the rod for sieving, preferably with the assistance of an aligning device for longitudinally extended solid material parts. The spirals include, in particular, a bend so that the lodged solid materials can automatically detach themselves. The sieving device is especially suited for sieving pyrolysis residual material.